

## Message Text

SECRET

PAGE 01 MOSCOW 01437 311559Z

42

ACTION NODS-00

INFO OCT-01 ISO-00 /001 W

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O 311450Z JAN 76

FM AMEMBASSY MOSCOW

TO SECSTATE WASHDC IMMEDIATE 9330

S E C R E T MOSCOW 1437

NODIS CHEROKEE

EMO. 11652: XGDS-3,4

TAGS: ASEC, US,UR

SUBJ: MOSCOW SIGNAL - APPROACH TO GROMYKO

REF: MOSCOW 1436

1. FOLLOWING IS TEXT OF INFORMAL PAPER LEFT WITH GROMYKO, AS  
MENTIONED IN PARA ONE REFTEL.

BEGIN QUOTE

PRINCIPAL CONCLUSIONS OF U.S. EXPERTS

--MEASUREMENTS OF RADIATION LEVELS TAKEN BY US SPECIALISTS IN  
U.S. EMBASSY MOSCOW OVER PERIOD OF SEVERAL MONTHS INDICATE THAT  
EMBASSY IS RECEIVING TWO RADIATION BEAMS OF MICROWAVE ENERGY IN  
THE FREQUENCY RANGE ABOVE ONE GIGAHERZ. ONE COMES FROM A POINT  
TO THE EAST OF THE CHANCERY AND THE OTHER FROM A POINT TO THE  
SOUTH.

--THESE EMANATIONS ARE PRESENT, EITHER ALTERNATELY OR OCCASIONALLY  
SIMULTANEOUSLY, FOR PERIODS APPROXIMATING 18 HOURS PER DAY.

--THESE BEAMS HAVE RESULTED IN RADIATION DENSITIES WITHIN CHANCERY  
OFFICES AND SOME APARTMENTS OF PERSONNEL RANGING FROM 1 TO 15  
MICROWATTS PER SQUARE CENTIMETER.

--JOINT MEASUREMENTS CONDUCTED WITH SOVIET EXPERTS ON JANUARY 28,

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PAGE 02 MOSCOW 01437 311559Z

WHEN ONLY ONE OF THE PREVIOUSLY DETECTED SOURCES WAS EMITTING IN

THE LOWER ENERGY RANGE OBSERVED PREVIOUSLY, WERE CONSISTENT WITH PREVIOUS U.S. MEASUREMENTS. IN PARTICULAR THEY CLEARLY REVEALED THE DIRECTIONALITY OF THE BEAM FROM THE EAST.

--THE LEVELS OF RADIATION IN THE EMBASSY BUILDING MEASURED OVER TIME BY U.S. TECHNICIANS, AND THOSE MEASURED JOINTLY WITH SOVIET TECHNICIANS, ARE SEVERAL ORDERS OF MAGNITUDE ABOVE THE TYPICAL BACKGROUND LEVEL IN U.S. CITIES, AND ALSO ABOVE THE BACKGROUND LEVEL MEASURED IN U.S. RESIDENCES IN MOSCOW WHICH ARE AWAY FROM THE CHANCERY BUILDING.

--OUR MEDICAL EXPERTS ARE OF THE CONSIDERED OPINION THAT PROLONGED EXPOSURE TO MICROWAVE RADIATION AT THE LEVELS MEASURED IN THE U.S. EMBASSY CONSTITUTE A POTENTIAL HEALTH HAZARD.

--NO LEVEL OF RADIATION IN THE U.S. EMBASSY WHICH IS SIGNIFICANTLY ABOVE THE TYPICAL BACKGROUND LEVEL IN RESIDENTIAL AREAS OF LARGE INDUSTRIAL CITIES IS ACCEPTABLE TO US.

END QUOTE.

2. SUMMARY OF FULL REPORT WILL BE TRANSMITTED AS SOON AS AVAILABLE, HOPEFULLY TODAY, AND TEXT FULL REPORT WILL BE SENT SO AS TO BE AVAILABLE IN WASHINGTON BY OPENING OF BUSINESS FEB. 2.

STOESSEL

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NNN

## Message Attributes

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**Capture Date:** 01 JAN 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** RADIATION, DIPLOMATIC COMMUNICATIONS, CAT-C, NO HARD COPY  
**Control Number:** n/a  
**Copy:** SINGLE  
**Draft Date:** 31 JAN 1976  
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**Disposition Action:** RELEASED  
**Disposition Approved on Date:**  
**Disposition Authority:** coburnhl  
**Disposition Case Number:** n/a  
**Disposition Comment:** 25 YEAR REVIEW  
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